



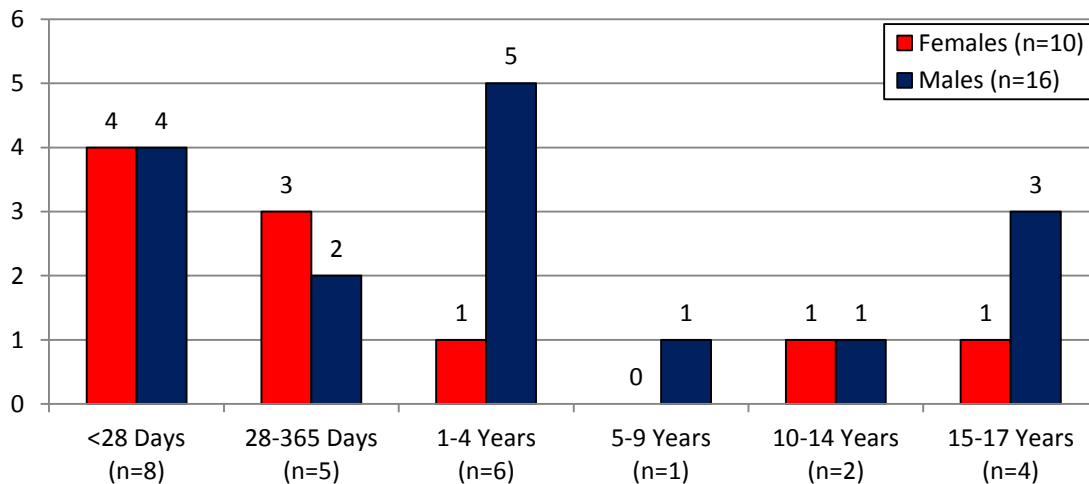
## Arizona Child Fatality Review Program

### 2010 CHILD FATALITY REVIEW FOR COCONINO COUNTY

#### DEMOGRAPHICS

This report provides information on the deaths of children who were residents of Coconino County. During 2010, there were 26 deaths among Coconino County residents younger than 18 years of age. Males accounted for 62 percent of child deaths (n=16) and females accounted for 38 percent (n=10). Figure 1 shows deaths among children by sex and age group.

**Figure 1. Deaths Among Children by Sex and Age Group, Coconino County, Arizona 2010 (n=26)**

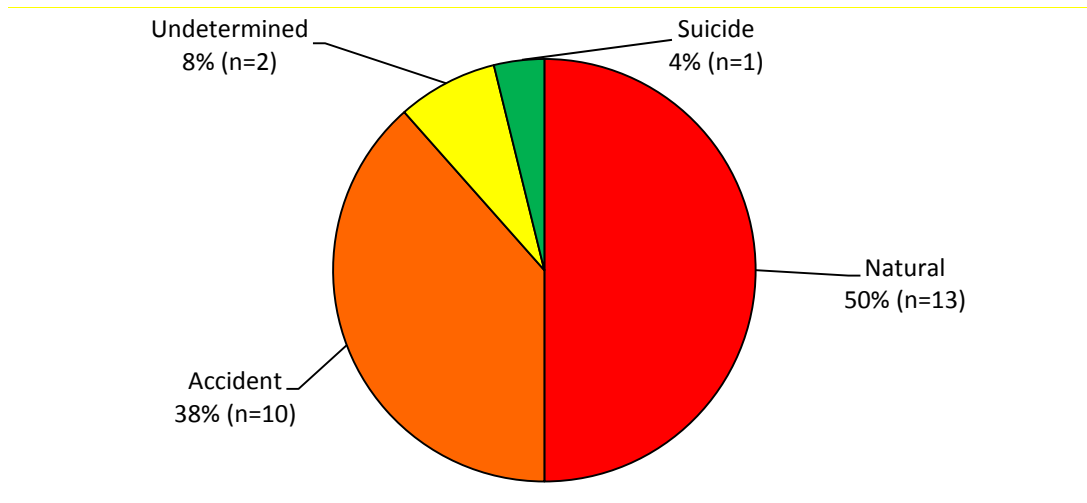


Deaths were over-represented among American Indian children in this county. American Indian children comprised 38 percent of the population but 58 percent of the fatalities (n=15). White, Non-Hispanic children comprised 39 percent of the population but 27 percent of the fatalities (n=7). Hispanic children comprised 18 percent of the population but 15 percent of the child deaths (n=4).

## CAUSE AND MANNER OF CHILD FATALITIES

Fifty percent of deaths were due to natural manners (n=13). Thirty-eight percent of deaths were due to accidents (n=10). Eight percent were of an undetermined manner (n=2) and there was one suicide among Coconino County children in 2010 (4 percent). Figure 2 shows deaths among children by manner.

**Figure 2. Deaths Among Children by Manner,  
Coconino County, Arizona 2010 (n=26)**



Five children died in motor vehicle crashes (19 percent), eleven deaths were due to medical causes (42 percent), three were undetermined natural deaths (11 percent), two were poisonings (8 percent), the remaining deaths were spread out evenly between other cause of death, suffocation, drowning, hanging and other injury (n=1 each, 4 percent each). Table 1 shows deaths among children by cause and manner.

Cause	Natural	Accident	Suicide	Undetermined	Total
Other Cause of Death	0	0	0	1	1
Medical*	10	0	0	1	11
Motor Vehicle Crash	0	5	0	0	5
Suffocation	0	1	0	0	1
Drowning	0	1	0	0	1
Hanging	0	0	1	0	1
Undetermined	3	0	0	0	3
Poisoning	0	2	0	0	2
Other Injury	0	1	0	0	1
<b>Total</b>	<b>13</b>	<b>10</b>	<b>1</b>	<b>2</b>	<b>26</b>

\*Excluding Prematurity and SIDS

## PREVENTABILITY

Child Fatality Review Teams consider a child's death preventable if something could have been done (by an individual such as the caregiver or supervisor, or by the community as a whole) that would have prevented the death. The Local Child Fatality Review Team determined that 39 percent of the deaths among Coconino County children could have been prevented (n=12).

During the review of each child's death, teams identify factors believed to have contributed to the death. Although the presence of a contributing factor typically led to the determination that a death was preventable, this was not always the case. For example, the team might have concluded that an unsafe sleep environment (e.g. infant left sleeping on a couch) was a contributing factor in an unexpected infant death. However, the team may not have had sufficient information (e.g. autopsy report, adequate scene investigation) to determine if the death could have been prevented.

In Coconino County, substance use (including alcohol) was a contributing factor for four deaths (15 percent). Lack of supervision was a contributing factor for three deaths (12 percent), motor vehicle speed was a factor for two deaths (8 percent). Co-sleeping and lack of motor vehicle restraint were factors for 1 death each (4 percent each). Among the five children killed in motor vehicle crashes two were pedestrians, two were passengers and the location of one child was unknown. More than one factor may have been identified for each death. Table 2 shows the most common factors contributing to the deaths of child residents of Coconino County.

Table 2. Contributing Factors for Deaths Among Children, Coconino County, Arizona 2010		
Factor*	Number	Percent
Substance use	4	15%
Lack of supervision	3	12%
Motor vehicle speed	2	8%
Co-sleeping	1	4%
Lack of motor vehicle restraint	1	4%
*More than one factor may have been identified for each death		

## CHILD FATALITIES IN COCONINO COUNTY COMPARED TO OTHER ARIZONA COUNTIES

This section provides comparisons between the deaths of children who resided in Coconino County and the deaths of children who resided in the remaining 14 Arizona counties. During 2010, 26 children who were residents of Coconino County died, and 815 children died who were residents of the other 14 Arizona counties. Coconino County had a crude rate of 81.8 child deaths per 100,000 residents, a significantly higher rate than the remainder of the state (51 deaths per 100,000 residents).

Medical conditions were the leading cause of child deaths in Coconino County (42 percent), and the remainder of Arizona (42 percent). Prematurity was the second

leading cause of death for the rest of Arizona, but did not account for any deaths among Coconino County residents in 2010. Motor vehicle crashes accounted for 19 percent of deaths in Coconino County and six percent in the remaining counties. Table 3 shows the leading causes of child deaths for Coconino County compared to the rest of Arizona.

Table 3. Leading Causes of Child Deaths, Coconino County, Arizona 2010			
Coconino County (n=26)		Arizona, Excluding Coconino County (n=815)	
Cause	Percent of Deaths	Cause	Percent of Deaths
Medical	42%	Medical	42%
Motor Vehicle Crash	19%	Motor Vehicle Crash	6%
Undetermined	11%	Undetermined	9%

In Coconino County, the largest percentage of deaths was due to natural manners (50 percent), lower than the remaining counties, where natural manners accounted for 66 percent of child deaths. There was also a lower percentage of accidental deaths and deaths of an undetermined manner (10 percent and 8 percent respectively), compared to the rest of the state (seventeen percent and nine percent respectively). Suicides were slightly higher in Coconino County (four percent) than in the remaining counties (three percent). Table 4 shows deaths among children by manner for Coconino County compared to the rest of Arizona.

Table 4. Deaths Among Children by Manner, Coconino County, Arizona 2010			
Coconino County (n=26)		Arizona, excluding Coconino County (n=815)	
Manner	Percent of Deaths	Manner	Percent of Deaths
Natural	50%	Natural	66%
Accident	10%	Accident	17%
Suicide	4%	Suicide	3%
Homicide	0%	Homicide	4%
Undetermined	8%	Undetermined	9%
Unknown	0%	Unknown	<1%